

REMARKS

Reconsideration and allowance of the subject application are respectfully solicited.

Claims 1 through 23, 25, 27, 29, and 31 through 64 are pending, with Claims 1 and 39 being independent. Claims 1 through 17, 20 through 23, 25, 27, 29, 31, 34 through 54, and 57 through 64 were allowed. Claims 24, 26, 28, 30, and 36 have been cancelled without prejudice. Claims 18, 19, 32, 33, 55, and 56 have been amended. The specification has been amended.

The drawings were objected to under 37 C.F.R. § 1.83(a) on the grounds that the feature of a protrusion or a spacer member for setting the interval, as recited in Claim 36 and as disclosed at p. 70, lines 1 through 12, of the specification, is not depicted in the drawings. All objections are respectfully traversed, and are submitted to have been mooted by the cancellation without prejudice of that claim.

The disclosure was objected to on the grounds that the terms appearing in the formulae at p. 36 of the specification are not defined. All objections are respectfully traversed. Applicant respectfully submits the artisan would have readily appreciated that a number of formulae at p. 36 of the specification are equations representing, e.g., the shape of a spherical surface, the shape of a rotationally-symmetric aspheric surface, and the shape of a rotationally-asymmetrical aspheric surface, with x , y , and z being the local coordinates as discussed at p. 35, and furthermore that the values to be assigned to the variables of each equation are described in the numerical examples; accordingly, Applicant respectfully submits that the artisan readily would have appreciated from the specification as filed the meaning of the objected-to terms, e.g., that R , r_{11} ($x \geq 0$), r_{12} ($x < 0$), r_{21} ($y \geq 0$), and r_{22} ($y < 0$) are paraxial radii of curvature, and k , k_{11} ,

k12, k21, k22, B, B11, B12, B21, B22, C, C11, C12, C21, C22, D, D11, D12, D21, and D22 are coefficients. Nonetheless, Applicant has respectfully amended the specification to insert this definition, so as to obviate the grounds of objection. Favorable consideration is earnestly solicited.

Claims 24, 26, 28, and 30 were rejected under 35 U.S.C. § 112, 1st paragraph, for lack of enablement. All rejections are respectfully traversed, and are submitted to have been mooted by the cancellation without prejudice of those claims.

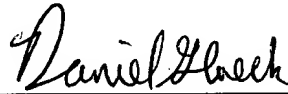
Claims 18, 19, 32, 33, 55, and 56 were rejected under 35 U.S.C. § 112, 2nd paragraph, as being indefinite on the grounds that the structure and arrangement of the reflecting member is unclear. All rejections are respectfully traversed, and are submitted to have been obviated by the amendment of the claims in a manner respectfully believed to avoid the grounds of rejection.

The dependent claims are also submitted to be patentable because they set forth additional aspects of the present invention and are dependent from independent claims discussed above. Therefore, separate and individual consideration of each dependent claim is respectfully requested.

Applicant submits that this application is in condition for allowance, and a Notice of Allowance is respectfully requested.

Applicant's undersigned attorney may be reached in our Washington, D.C. office by telephone at (202) 530-1010. All correspondence should continue to be directed to our address listed below.

Respectfully submitted,

A handwritten signature in black ink, reading "Daniel S. Glueck". The signature is written in a cursive style with a horizontal line underneath it.

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